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Prod'n. of metal plated plastic film - by subjecting plastic film to low
temp. plasma in active gas, then depositing metal vapour onto surface

Patent Assignee: TOPPAN PRINTING CO LTD (TOPP)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 62116763	A	19870528	JP 85254378	A	19851113	198727 B
JP 89011115	B	19890223			198912	

Priority Applications (No Type Date): JP 85254378 A 19851113

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 62116763	A		3		

Abstract (Basic): JP 62116763 A

A layered film is produced by subjecting a plastic film having a heat shrinking property to a low temp. plasma treatment in the presence of an active gas, and then applying a metal vapour deposition layer onto the plastic film surface.

The plastics film e.g. consists of PVC, polyethylene, polypropylene, polystyrene, polyethylene terephthalate or foam polyolefin etc. The metal vapour deposition layer e.g. consists of Al or Cu etc., and has the thickness of 200-700 Angstrom. The low temp. plasma treatment is e.g. effected under the vacuum degree of 0.1-10 Torr with the plasma power of 200-1500 W for 15-60 sec.

USE/ADVANTAGE - The metal vapour deposition layer of the plastics film surface has an excellent cracking resistance and adhesion strength, and the produced layered film is suitable for use as a wrapping film.

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